

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-103. (Canceled).

104. (Currently amended) A method for modulating the production of a polyketide produced by a fungus, the method comprising overexpressing creA or a fungal homolog thereof, whereby the production of the polyketide is modulated.

105. (Original) The method of claim 104 wherein the polyketide is a statin.

106. (Original) The method of claim 105 wherein the statin is lovastatin.

107. (Original) The method of claim 104 wherein the fungus is an Ascomycetes.

108. (Previously presented) The method of claim 104 comprising overexpressing creA.

109-112. (Canceled)

113. (Original) The method of claim 107 wherein the fungus is *A. terreus*.

114 – 118. (Canceled)

119. (Original) The method of claim 107 wherein the yield of polyketide by the fungus is increased.

120. (Withdrawn) A method for providing a fungal cell with improved polyketide production, the method comprising transforming a fungal cell with a nucleic acid molecule comprising a nucleotide sequence encoding creA or a fungal homolog thereof.

121. (Withdrawn) The method of claim 120 wherein the polyketide is a statin.

122. (Withdrawn) The method of claim 121 wherein the statin is lovastatin.

123. (Withdrawn) The method of claim 120 wherein the fungus is an Ascomycetes.

124. (Withdrawn) The method of claim 120 wherein the nucleic acid molecule encodes creA.

125. (Withdrawn) The method of claim 123 wherein the fungus is *A. terreus*.

126-130. (Canceled)

131. (Withdrawn) The method of claim 120 wherein the yield of polyketide by the transformed fungus is greater than the yield of polyketide by the non-transformed fungus.

132. (Withdrawn) A genetically modified fungus having the ability to produce a polyketide wherein the production of lovastatin by the fungus has been modulated by a method comprising overexpressing or conditionally expressing creA or a fungal homolog thereof.

133. (Withdrawn) The genetically modified fungus of claim 132 wherein the polyketide is a statin.

134. (Withdrawn) The genetically modified fungus of claim 133 wherein the statin is lovastatin.

135. (Withdrawn) The genetically modified fungus of claim 132 wherein the fungus is an Ascomycetes.

136. (Withdrawn) The genetically modified fungus of claim 132 wherein creA is overexpressed or conditionally expressed.

137. (Withdrawn) The genetically modified fungus of claim 135 wherein the fungus is *A. terreus*.

138-143. (Canceled).

144. (Currently amended) A method for producing a polyketide, the method comprising culturing [a genetically modified fungus overexpressing creA] in culture medium under conditions suitable for the production of the polyketide a genetically modified fungus that produces the polyketide and overexpresses CreA, whereby the polyketide is produced.

145. (Original) The method of claim 144 wherein the polyketide is a statin.

146. (Original) The method of claim 145 wherein the statin is lovastatin.

147. (Original) The method of claim 144 wherein the fungus is an *Ascomycetes*.

148. (Original) The method of claim 144 further comprising isolating a fraction of culture medium containing a polyketide.

149-224. (Canceled).

225. (Currently amended) A method for modulating the production of a polyketide produced by a fungus, the method comprising conditionally expressing creA or a fungal homolog thereof, whereby the production of the polyketide is modulated.

226. (Previously presented) The method of claim 225 wherein the polyketide is a statin.

227. (Previously presented) The method of claim 226 wherein the statin is lovastatin.

228. (Previously presented) The method of claim 225 wherein the fungus is an *Ascomycetes*.

229. (Previously presented) The method of claim 225 comprising conditionally expressing creA.

230. (Previously presented) The method of claim 228 wherein the fungus is *A. terreus*.

231. (Previously presented) The method of claim 225 wherein the yield of polyketide by the fungus is increased.

232. (Currently amended) A method for producing a polyketide, the method comprising culturing [a genetically modified fungus conditionally expressing creA] in culture medium under conditions suitable for the production of the polyketide a genetically modified fungus that produces the polyketide and conditionally expresses CreA, whereby the polyketide is produced.

233. (Previously presented) The method of claim 232 wherein the polyketide is a statin.
234. (Previously presented) The method of claim 233 wherein the statin is lovastatin.
235. (Previously presented) The method of claim 232 wherein the fungus is an Ascomycetes.
236. (Previously presented) The method of claim 232 further comprising isolating a fraction of culture medium containing a polyketide.
237. (Newly added) The method of claim 104 or 225 wherein production of the polyketide is increased.
238. (Newly added) The method of claim 104 or 225 wherein production of the polyketide is decreased.